

TEXAS

Science and Engineering Profile

	TX	U.S.	Rank		TX	U.S.	Rank
Doctoral scientists, 1995	24,474	453,928	3	Total R&D performance, 1995 (millions)	\$8,385	\$177,210	6
Doctoral engineers, 1995	6,047	86,738	2	Industry R&D, 1995 (millions)	\$6,211	\$130,332	6
S&E doctorates awarded, 1996	1,710	27,230	3	Academic R&D, 1995 (millions)	\$1,472	\$21,606	3
of which, in engineering	29%	23%		of which, in life sciences	60%	55%	
in life sciences	24%	25%		in engineering	16%	16%	
in physical sciences	13%	14%		in environmental sciences	9%	6%	
S&E postdoctorates, 1995	1,932	35,379	5	Higher education current-fund expenditures, 1995 (millions)	\$9,773	\$182,602	4
in doctorate-granting institutions							
S&E graduate students, 1995	26,616	436,328	3	Number of SBIR awards, 1990-1996	914	26,399	7
in doctorate-granting institutions				Patents issued to state residents, 1996	4,171	61,099	3
Population, 1996 (000s)	19,128	269,067	2	Gross state product, 1994 (billions)	\$479.8	\$6,876.0	3
Civilian labor force, 1996 (000s)	9,748	135,528	2	of which, agriculture	2%	2%	
Personal income per capita, 1996	\$22,045	\$24,231	32	manufacturing, mining, construction	27%	23%	
Federal spending				transportation, communication, utilities	11%	9%	
Total expenditures, 1996 (millions)	\$86,496	\$1,368,858	3	wholesale and retail trade	16%	16%	
R&D obligations, 1995 (millions)	\$4,062	\$67,080	4	finance, insurance, real estate	14%	19%	
				services	18%	20%	
				government	12%	13%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in Texas by Agency and Performer: Fiscal Year 1995

[Thousands of Dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	4,062,175	537,508	860	2,701,709	649,159	163,001	9,938	4
Department of Agriculture	61,417	43,582	0	160	17,502	145	28	4
Department of Commerce	17,214	2,586	0	12,464	1,769	79	316	16
Department of Defense	1,390,773	146,350	860	1,059,959	80,184	103,420	0	8
Department of Energy	69,130	0	0	40,103	28,155	872	0	15
Dept. of Health & Human Services	443,460	275	0	8,901	398,347	33,585	2,352	6
Department of the Interior	9,248	7,254	0	131	1,863	0	0	16
Department of Transportation	17,447	0	0	8,861	1,825	307	6,454	9
Environmental Protection Agency	16,939	0	0	7,350	8,442	1,015	132	12
Nat'l Aeronautics & Space Admin.	1,956,953	337,461	0	1,562,001	34,312	23,179	0	2
National Science Foundation	79,594	0	0	1,779	76,760	399	656	7
State rank	4	8	19	3	6	6	4	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable